

# Subject Index

## Volume 6

### Acidification

- Biological recovery from lake acidification: zooplankton communities as a model of patterns and processes (Keller and Yan), 364
- Critical load concept to set restoration goals for liming acidified Norwegian waters (Hindar et al.), 353
- Deriving restoration goals for acidified lakes from ataxonomic phytoplankton studies (Steinberg et al.), 327
- Editorial (Niering and Allen), 315
- Effects of changes in acidity on aquatic insects in rocky littoral habitats of lakes near Sudbury, Ontario (Carbone et al.), 376
- Introduction to special issue on restoration of acid-stressed lakes (Gunn and Keller), 316
- The potential for restoration of acid-damaged lake trout lakes (Gunn and Mills), 390
- Restructuring of fish assemblages in Swedish lakes following amelioration of acid stress through liming (Appelberg), 343
- Tracking recovery patterns in acidified lakes: a paleolimnological perspective (Smol et al.), 318
- Zooplankton community responses during recovery from acidification in Little Rock Lake, Wisconsin (Frost et al.), 336

### Alaska

- The role of thermal regime in tundra plant community restoration (Shirazi et al.), 111

### *Aristida beyrichiana*

- Patterns of differentiation in wiregrass (*Aristida beyrichiana*): implications for restoration efforts (Gordon and Rice), 166

### *Artemisia californica*

- The effects of organic amendments on the restoration of a disturbed coastal sage scrub habitat (Zink and Allen), 52

### Australia

- Bioclimatic analysis to enhance re-introduction biology of the endangered Helmeted Honeyeater (*Lichenostomus melanops cassidix*) in southeastern Australia (Pearce and Lindenmayer), 238

### Birds

- Bioclimatic analysis to enhance re-introduction biology of the endangered Helmeted Honeyeater (*Lichenostomus melanops cassidix*) in southeastern Australia (Pearce and Lindenmayer), 238
- Do bird perching structures elevate seed rain and seedling establishment in abandoned tropical pasture? (Holl), 253
- Use of restored riparian habitat by the endangered Least Bell's Vireo (*Vireo bellii pusillus*) (Kus), 75

### Book reviews

- Landscape Ecology: Function and Management. Principles from Australia's Rangelands*, edited by Ludwig et al. (Tueller), 223
- Prairie Conservation: Preserving North America's Most Endangered Ecosystem*, edited by Samson and Knop (Anderson), 130
- Restoration of an Urban Salt Marsh: An Interdisciplinary Approach*, edited by Casagrande (Lefor), 312
- The Soil Seed Banks of North West Europe: Methodology, Density, and Longevity*, by Thompson et al. (Leck), 225

### Burning

- Burning prairie to restore butterfly habitat: a modeling approach to management tradeoffs for the Fender's blue (Schultz and Crone), 244
- Prescribed fire and the response of woody species in Willamette Valley wetland prairies (Pendergrass et al.), 303

### Butterflies

- Burning prairie to restore butterfly habitat: a modeling approach to management tradeoffs for the Fender's blue (Schultz and Crone), 244

### California

- Eradication of nonnative fish by gill netting from a small mountain lake in California (Knapp and Matthews), 207
- Vegetation monitoring of created dune swale wetlands, Vandenberg Air Force Base, California (Parikh and Gale), 83
- Yellow bush lupine invasion in northern California coastal dunes I. Ecological impacts and manual restoration techniques (Pickart et al.), 59
- Yellow bush lupine invasion in northern California coastal dunes II. Mechanical restoration techniques (Pickart et al.), 69

### Canada

- Effects of changes in acidity on aquatic insects in rocky littoral habitats of lakes near Sudbury, Ontario (Carbone et al.), 376

### *Carcinus maenas*

- Quantifying the effects of green crab damage to eelgrass transplants (Davis et al.), 297

### Coast

- The effects of organic amendments on the restoration of a disturbed coastal sage scrub habitat (Zink and Allen), 52
- Soil characteristics of rehabilitating and unmined coastal dunes at Richards Bay, KwaZulu-Natal, South Africa (van Aarde et al.), 102
- Yellow bush lupine invasion in northern California coastal dunes I. Ecological impacts and manual restoration techniques (Pickart et al.), 59
- Yellow bush lupine invasion in northern California coastal dunes II. Mechanical restoration techniques (Pickart et al.), 69

## Connecticut

The mycorrhizal status of selected plant species from Connecticut wetlands and transition zones (Cooke and Lefor), 214

## Cultural evolution

Ecological and cultural landscape restoration and the cultural evolution towards a post-industrial symbiosis between human society and nature (Naveh), 135

## Dunes, sand; see Sand dunes

## Ectomycorrhizae; see Mycorrhizae

## Ecuador

Seed inputs to microsite patch recovery on two Tropicana land-slides in Ecuador (Myer and Sarmiento), 35

## Eelgrass

Quantifying the effects of green crab damage to eelgrass transplants (Davis et al.), 297

## Endangered species

Bioclimatic analysis to enhance reintroduction biology of the endangered Helmeted Honeyeater (*Lichenostomus melanops cassidix*) in southeastern Australia (Pearce and Lindenmayer), 238

Use of restored riparian habitat by the endangered Least Bell's Vireo (*Vireo bellii pusillus*) (Kus), 75

## Evolution

Ecological and cultural landscape restoration and the cultural evolution towards a post-industrial symbiosis between human society and nature (Naveh), 135

## Fender's blue butterfly

Burning prairie to restore butterfly habitat: a modeling approach to management tradeoffs for the Fender's blue (Schultz and Crone), 244

## Fire

Burning prairie to restore butterfly habitat: a modeling approach to management tradeoffs for the Fender's blue (Schultz and Crone), 244

Prescribed fire and the response of woody species in Willamette Val-

ley wetland prairies (Pendergrass et al.), 303

## Fish

Eradication of nonnative fish by gill netting from a small mountain lake in California (Knapp and Matthews), 207

The potential for restoration of acid-damaged lake trout lakes (Gunn and Mills), 390

Restructuring of fish assemblages in Swedish lakes following amelioration of acid stress through liming (Appelberg), 343

Top-down or bottom-up effects by fish: issues of concern in biomanipulation of lakes (Horppila et al.), 20

## Flora

Floristic and soil organic matter changes after five and thirty-five years of native tallgrass prairie restoration (Kindscher and Tieszen), 181

## Forests

Do bird perching structures elevate seed rain and seedling establishment in abandoned tropical pasture? (Holl), 253

Effect of pasture trees on soil nitrogen and organic matter: implications for tropical montane forest restoration (Rhoades et al.), 262

Large-scale ecological restoration of degraded tropical forest lands: the potential role of timber plantations (Lamb), 271

Vertical growth and mycorrhizal infection of woody plant roots as potential limits to the restoration of woodlands on landfills (Parsons et al.), 280

## France

Restoration and rehabilitation of species-rich grassland ecosystems in France: a review (Muller et al.), 94

## Fungi

The mycorrhizal status of selected plant species from Connecticut wetlands and transition zones (Cooke and Lefor), 214

Plant-mycorrhizal community dynamics associated with a mois-

ture gradient within a rehabilitated prairie fen (Turner and Friese), 44

Restoration of aboveground ectomycorrhizal flora in stands of *Pinus sylvestris* (Scots pine) in The Netherlands by removal of litter and humus (Baar and Kuyper), 227

Vertical growth and mycorrhizal infection of woody plant roots as potential limits to the restoration of woodlands on landfills (Parsons et al.), 280

## Galveston Bay

Factors affecting restoration of *Halodule wrightii* to Galveston Bay, Texas (Sheridan et al.), 144

## Granite

Annual and perennial grass growth on nitrogen-depleted decomposed granite (Claassen and Marler), 175

## Grasses

Annual and perennial grass growth on nitrogen-depleted decomposed granite (Claassen and Marler), 175

Factors affecting restoration of *Halodule wrightii* to Galveston Bay, Texas (Sheridan et al.), 144

Floristic and soil organic matter changes after five and thirty-five years of native tallgrass prairie restoration (Kindscher and Tieszen), 181

Patterns of differentiation in wiregrass (*Aristida beyrichiana*): implications for restoration efforts (Gordon and Rice), 166

Quantifying the effects of green crab damage to eelgrass transplants (Davis et al.), 297

## Grasslands

Restoration and rehabilitation of species-rich grassland ecosystems in France: a review (Muller et al.), 94

Seed rain in natural grassland and adjacent ski run in the Swiss Alps: a preliminary report (Urbanska et al.), 159

## Green crab grass

Quantifying the effects of green

- crab damage to eelgrass transplants (Davis et al.), 297
- Halodule wrightii***  
Factors affecting restoration of *Halodule wrightii* to Galveston Bay, Texas (Sheridan et al.), 144
- Helmeted honeyeaters**  
Bioclimatic analysis to enhance re-introduction biology of the endangered Helmeted Honeyeater (*Lichenostomus melanops cassidix*) in southeastern Australia (Pearce and Lindenmayer), 238
- Herbicides**  
Roadside revegetation in Glacier National Park, U.S.A.: effects of herbicide and seeding treatments (Tyser et al.), 197
- Indiana**  
Experimental restoration of native vegetation in Indiana Dunes National Lakeshore (Choi and Pavlovic), 118
- Infection**  
Vertical growth and mycorrhizal infection of woody plant roots as potential limits to the restoration of woodlands on landfills (Parsons et al.), 280
- Insects**  
Effects of changes in acidity on aquatic insects in rocky littoral habitats of lakes near Sudbury, Ontario (Carbone et al.), 376
- Iron ore pits**  
Restoration of a mine pit lake from aquacultural nutrient enrichment (Axler et al.), 1
- Lakes**  
Biological recovery from lake acidification: zooplankton communities as a model of patterns and processes (Keller and Yan), 364  
Critical load concept to set restoration goals for liming acidified Norwegian waters (Hindar et al.), 353  
Deriving restoration goals for acidified lakes from ataxonomic phytoplankton studies (Steinberg et al.), 327  
Editorial (Niering and Allen), 315
- Effects of changes in acidity on aquatic insects in rocky littoral habitats of lakes near Sudbury, Ontario (Carbone et al.), 376  
Eradication of nonnative fish by gill netting from a small mountain lake in California (Knapp and Matthews), 207  
Experimental restoration of native vegetation in Indiana Dunes National Lakeshore (Choi and Pavlovic), 118  
Introduction to special issue on restoration of acid-stressed lakes (Gunn and Keller), 316  
The potential for restoration of acid-damaged lake trout lakes (Gunn and Mills), 390  
Restoration of a mine pit lake from aquacultural nutrient enrichment (Axler et al.), 1  
Restructuring of fish assemblages in Swedish lakes following amelioration of acid stress through liming (Appelberg), 343  
Top-down or bottom-up effects by fish: issues of concern in biomanipulation of lakes (Horppila et al.), 20  
Tracking recovery patterns in acidified lakes: a paleolimnological perspective (Smol et al.), 318  
Zooplankton community responses during recovery from acidification in Little Rock Lake, Wisconsin (Frost et al.), 336
- Landfills**  
Vertical growth and mycorrhizal infection of woody plant roots as potential limits to the restoration of woodlands on landfills (Parsons et al.), 280
- Landscape**  
Ecological and cultural landscape restoration and the cultural evolution towards a post-industrial symbiosis between human society and nature (Naveh), 135
- Landslides**  
Seed inputs to microsite patch recovery on two Tropandean landslides in Ecuador (Myser and Sarmiento), 35
- Least Bell's Vireo**  
Use of restored riparian habitat by the endangered Least Bell's Vireo (*Vireo bellii pusillus*) (Kus), 75
- Letter to the Editor**  
Letter to the Editor (Morrison) (Letter); (Allen) (Reply), 133
- Lichenostomus melanops cassidix***  
Bioclimatic analysis to enhance re-introduction biology of the endangered Helmeted Honeyeater (*Lichenostomus melanops cassidix*) in southeastern Australia (Pearce and Lindenmayer), 238
- Lime**  
Critical load concept to set restoration goals for liming acidified Norwegian waters (Hindar et al.), 353  
Restructuring of fish assemblages in Swedish lakes following amelioration of acid stress through liming (Appelberg), 343
- Lupinus arboreus***  
Yellow bush lupine invasion in northern California coastal dunes  
I. Ecological impacts and manual restoration techniques (Pickart et al.), 59  
Yellow bush lupine invasion in northern California coastal dunes  
II. Mechanical restoration techniques (Pickart et al.), 69
- Marshes**  
Development and N<sub>2</sub>-fixing activity of the benthic microbial community in transplanted *Spartina alterniflora* marshes in North Carolina (Piehler et al.), 290
- Microbials**  
Development and N<sub>2</sub>-fixing activity of the benthic microbial community in transplanted *Spartina alterniflora* marshes in North Carolina (Piehler et al.), 290
- Mine pit lake**  
Restoration of a mine pit lake from aquacultural nutrient enrichment (Axler et al.), 1
- Mycorrhizae**  
The mycorrhizal status of selected plant species from Connecticut wetlands and transition zones (Cooke and Lefor), 214  
Plant-mycorrhizal community dynamics associated with a moisture

- gradient within a rehabilitated prairie fen (Turner and Friese), 44
- Restoration of aboveground ectomycorrhizal flora in stands of *Pinus sylvestris* (Scots pine) in The Netherlands by removal of litter and humus (Baar and Kuyper), 227
- Vertical growth and mycorrhizal infection of woody plant roots as potential limits to the restoration of woodlands on landfills (Parsons et al.), 280
- The Netherlands**
- Restoration of aboveground ectomycorrhizal flora in stands of *Pinus sylvestris* (Scots pine) in The Netherlands by removal of litter and humus (Baar and Kuyper), 227
- Nitrogen**
- Annual and perennial grass growth on nitrogen-depleted decomposed granite (Claassen and Marler), 175
- Development and N<sub>2</sub>-fixing activity of the benthic microbial community in transplanted *Spartina alterniflora* marshes in North Carolina (Piehler et al.), 290
- Effect of pasture trees on soil nitrogen and organic matter: implications for tropical montane forest restoration (Rhoades et al.), 262
- The effects of organic amendments on the restoration of a disturbed coastal sage scrub habitat (Zink and Allen), 52
- North Carolina**
- Development and N<sub>2</sub>-fixing activity of the benthic microbial community in transplanted *Spartina alterniflora* marshes in North Carolina (Piehler et al.), 290
- Norway**
- Critical load concept to set restoration goals for liming acidified Norwegian waters (Hindar et al.), 353
- Oak**
- Effects of deer browsing, fabric mats, and tree shelters on *Quercus rubra* seedlings (Stange and Shea), 29
- Ontario; see Canada**
- Oregon**
- Prescribed fire and the response of woody species in Willamette Valley wetland prairies (Pendergrass et al.), 303
- Organic matter**
- Effect of pasture trees on soil nitrogen and organic matter: implications for tropical montane forest restoration (Rhoades et al.), 262
- The effects of organic amendments on the restoration of a disturbed coastal sage scrub habitat (Zink and Allen), 52
- Floristic and soil organic matter changes after five and thirty-five years of native tallgrass prairie restoration (Kindscher and Tieszen), 181
- Paleolimnological techniques**
- Tracking recovery patterns in acidified lakes: a paleolimnological perspective (Smol et al.), 318
- Parks**
- Roadside revegetation in Glacier National Park, U.S.A.: effects of herbicide and seeding treatments (Tyser et al.), 197
- Pastures**
- Do bird perching structures elevate seed rain and seedling establishment in abandoned tropical pasture? (Holl), 253
- Effect of pasture trees on soil nitrogen and organic matter: implications for tropical montane forest restoration (Rhoades et al.), 262
- Phytoplankton**
- Deriving restoration goals for acidified lakes from ataxonomic phytoplankton studies (Steinberg et al.), 327
- Pinus sylvestris*
- Restoration of aboveground ectomycorrhizal flora in stands of *Pinus sylvestris* (Scots pine) in The Netherlands by removal of litter and humus (Baar and Kuyper), 227
- Plants**
- The mycorrhizal status of selected plant species from Connecticut wetlands and transition zones (Cooke and Lefor), 214
- Plant-mycorrhizal community dynamics associated with a moisture gradient within a rehabilitated prairie fen (Turner and Friese), 44
- Prescribed fire and the response of woody species in Willamette Valley wetland prairies (Pendergrass et al.), 303
- The role of thermal regime in tundra plant community restoration (Shirazi et al.), 111
- Vertical growth and mycorrhizal infection of woody plant roots as potential limits to the restoration of woodlands on landfills (Parsons et al.), 280
- Prairies**
- Burning prairie to restore butterfly habitat: a modeling approach to management tradeoffs for the Fender's blue (Schultz and Crone), 244
- Floristic and soil organic matter changes after five and thirty-five years of native tallgrass prairie restoration (Kindscher and Tieszen), 181
- Plant-mycorrhizal community dynamics associated with a moisture gradient within a rehabilitated prairie fen (Turner and Friese), 44
- Prescribed fire and the response of woody species in Willamette Valley wetland prairies (Pendergrass et al.), 303
- Quercus rubra*
- Effects of deer browsing, fabric mats, and tree shelters on *Quercus rubra* seedlings (Stange and Shea), 29
- Red oak**
- Effects of deer browsing, fabric mats, and tree shelters on *Quercus rubra* seedlings (Stange and Shea), 29
- Riparian wetlands**
- Use of restored riparian habitat by the endangered Least Bell's Vireo (*Vireo bellii pusillus*) (Kus), 75

**Roadsides**

Roadside revegetation in Glacier National Park, U.S.A.: effects of herbicide and seeding treatments (Tyser et al.), 197

**Sage scrub**

The effects of organic amendments on the restoration of a disturbed coastal sage scrub habitat (Zink and Allen), 52

**Sand dunes**

Experimental restoration of native vegetation in Indiana Dunes National Lakeshore (Choi and Pavlovic), 118

Soil characteristics of rehabilitating and unmined coastal dunes at Richards Bay, KwaZulu-Natal, South Africa (van Aarde et al.), 102

Vegetation monitoring of created dune swale wetlands, Vandenberg Air Force Base, California (Parikh and Gale), 83

Yellow bush lupine invasion in northern California coastal dunes I. Ecological impacts and manual restoration techniques (Pickart et al.), 59

Yellow bush lupine invasion in northern California coastal dunes II. Mechanical restoration techniques (Pickart et al.), 69

**Scots pine**

Restoration of aboveground ectomycorrhizal flora in stands of *Pinus sylvestris* (Scots pine) in The Netherlands by removal of litter and humus (Baar and Kuyper), 227

**Seagrasses**

Factors affecting restoration of *Halodule wrightii* to Galveston Bay, Texas (Sheridan et al.), 144

**Seedling trees; see Trees****Seeds**

Do bird perching structures elevate seed rain and seedling establishment in abandoned tropical pasture? (Holl), 253

Roadside revegetation in Glacier National Park, U.S.A.: effects of herbicide and seeding treatments (Tyser et al.), 197

Seed inputs to microsite patch re-

covery on two Tropicandean landslides in Ecuador (Myser and Sarmiento), 35

Seed rain in natural grassland and adjacent ski run in the Swiss Alps: a preliminary report (Urbanska et al.), 159

**Shoalgrass**

Factors affecting restoration of *Halodule wrightii* to Galveston Bay, Texas (Sheridan et al.), 144

**Soil**

Effect of pasture trees on soil nitrogen and organic matter: implications for tropical montane forest restoration (Rhoades et al.), 262

Floristic and soil organic matter changes after five and thirty-five years of native tallgrass prairie restoration (Kindscher and Tieszen), 181

Soil characteristics of rehabilitating and unmined coastal dunes at Richards Bay, KwaZulu-Natal, South Africa (van Aarde et al.), 102

**South Africa**

Soil characteristics of rehabilitating and unmined coastal dunes at Richards Bay, KwaZulu-Natal, South Africa (van Aarde et al.), 102

***Spartina alterniflora***

Development and N<sub>2</sub>-fixing activity of the benthic microbial community in transplanted *Spartina alterniflora* marshes in North Carolina (Piehler et al.), 290

**Sweden**

Restructuring of fish assemblages in Swedish lakes following amelioration of acid stress through liming (Appelberg), 343

**Switzerland**

Seed rain in natural grassland and adjacent ski run in the Swiss Alps: a preliminary report (Urbanska et al.), 159

**Tallgrasses**

Floristic and soil organic matter changes after five and thirty-five years of native tallgrass prairie restoration (Kindscher and Tieszen), 181

**Temperature**

The role of thermal regime in tundra plant community restoration (Shirazi et al.), 111

**Texas**

Factors affecting restoration of *Halodule wrightii* to Galveston Bay, Texas (Sheridan et al.), 144

**Thermal regime; see Temperature****Trees**

Effect of pasture trees on soil nitrogen and organic matter: implications for tropical montane forest restoration (Rhoades et al.), 262

Effects of deer browsing, fabric mats, and tree shelters on *Quercus rubra* seedlings (Stange and Shea), 29

Large-scale ecological restoration of degraded tropical forest lands: the potential role of timber plantations (Lamb), 271

Restoration of aboveground ectomycorrhizal flora in stands of *Pinus sylvestris* (Scots pine) in The Netherlands by removal of litter and humus (Baar and Kuyper), 227

**Tropics**

Do bird perching structures elevate seed rain and seedling establishment in abandoned tropical pasture? (Holl), 253

Large-scale ecological restoration of degraded tropical forest lands: the potential role of timber plantations (Lamb), 271

**Trout**

Eradication of nonnative fish by gill netting from a small mountain lake in California (Knapp and Matthews), 207

The potential for restoration of acid-damaged lake trout lakes (Gunn and Mills), 390

**Tundra plants**

The role of thermal regime in tundra plant community restoration (Shirazi et al.), 111

**Vegetation**

Experimental restoration of native vegetation in Indiana Dunes National Lakeshore (Choi and Pavlovic), 118

- Vegetation monitoring of created dune swale wetlands, Vandenberg Air Force Base, California (Parikh and Gale), 83
- Vireo bellii pusillus***
  - Use of restored riparian habitat by the endangered Least Bell's Vireo (*Vireo bellii pusillus*) (Kus), 75
- Water**
  - Restoration of a mine pit lake from aquacultural nutrient enrichment (Axler et al.), 1
  - Top-down or bottom-up effects by fish: issues of concern in biomanipulation of lakes (Horppila et al.), 20
- Wetlands**
  - The mycorrhizal status of selected plant species from Connecticut wetlands and transition zones (Cooke and Lefor), 214
  - Plant-mycorrhizal community dynamics associated with a moisture gradient within a rehabilitated prairie fen (Turner and Friesse), 44
- Prescribed fire and the response of woody species in Willamette Valley wetland prairies (Pendergrass et al.), 303
- Use of restored riparian habitat by the endangered Least Bell's Vireo (*Vireo bellii pusillus*) (Kus), 75
- Vegetation monitoring of created dune swale wetlands, Vandenberg Air Force Base, California (Parikh and Gale), 83
- Willamette Valley; see Oregon**
- Wiregrass**
  - Patterns of differentiation in wiregrass (*Aristida beyrichiana*): implications for restoration efforts (Gordon and Rice), 166
- Wisconsin**
  - Zooplankton community responses during recovery from acidification in Little Rock Lake, Wisconsin (Frost et al.), 336
- Woodlands; see Forests**
- Yellow bush lupine**
  - Yellow bush lupine invasion in northern California coastal dunes I. Ecological impacts and manual restoration techniques (Pickart et al.), 59
  - Yellow bush lupine invasion in northern California coastal dunes II. Mechanical restoration techniques (Pickart et al.), 69
- Zooplankton**
  - Biological recovery from lake acidification: zooplankton communities as a model of patterns and processes (Keller and Yan), 364
  - Zooplankton community responses during recovery from acidification in Little Rock Lake, Wisconsin (Frost et al.), 336
- Zostera marina***
  - Quantifying the effects of green crab damage to eelgrass transplants (Davis et al.), 297

